

Amendment to the Claims

Please amend the above-identified application pursuant to the revised practice set forth in the Notice entitled "Amendments in a Revised Format Now Permitted" and published in the Official Gazette on February 25, 2003. All claims that are, or were, in the application are presented below. A status identifier is provided for every claim and the text of all claims under examination is submitted. All claims being currently amended are submitted with markings to indicate the changes that have been made relative to the immediate prior version of the claims. The changes in the amended claims are shown by strikethrough (for deleted matter) or underlining (for added matter). No separate "clean" version is submitted for currently amended claims. Markings have been made only in claims being currently amended. The text of pending claims not being currently amended that are under examination is presented in a clean version.

1. (Currently Amended) A method of managing thread pools of a computing environment, said method comprising:

receiving from a first requester of said computing environment a request to be processed, said request waiting on a response from a second requester of said computing environment, and wherein said response is to be serviced by a thread pool selected from a set of one or more eligible thread pools; and

upon receipt of the request waiting on the response, dynamically altering said set of one or more eligible thread pools to provide an altered thread pool set of one or more eligible thread pools, wherein a thread pool of the altered thread pool set is to service said response; and

wherein said dynamically altering comprises setting a pool mask associated with said response to indicate said one or more eligible thread pools.

2. Canceled

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3. (Currently Amended) The method of claim 2 1, wherein said pool mask is included within a data structure associated with said response.
4. (Original) The method of claim 1, wherein said dynamically altering is initiated when it is determined that said request is waiting for said response.
5. Canceled
6. Canceled
7. Canceled
8. Canceled
9. (Original) The method of claim 1, further comprising dynamically re-altering said altered thread pool set to service one or more other responses or one or more other requests.
10. (Original) The method of claim 9, wherein said dynamically re-altering is performed when there are no outstanding callbacks to be responded to by said second requester.
11. (Original) The method of claim 10, further comprising determining whether there are any outstanding callbacks, said determining referencing a data structure associated with said second requester.
12. Canceled
13. Canceled
14. (Original) The method of claim 1, wherein said receiving comprises receiving said request by a server of said computing environment, and wherein said first requester is a first client and said second requester is a second client.

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15. (Original) The method of claim 14, wherein said server is a file server.
16. (Original) The method of claim 14, wherein at least one of said first client and said second client runs on a same physical computer of said computing environment as said server.
17. (Original) The method of claim 14, wherein at least one of said first client and said second client runs on a different physical computer of said computing environment than said server.
18. (Original) The method of claim 1, wherein said dynamically altering is performed by a server of said computing environment.
19. (Original) The method of claim 1, wherein said thread pool of said altered thread pool set is to service said response to avoid a deadlock with said request awaiting said response.
20. (Original) The method of claim 1, wherein said dynamically altering comprises receiving no indication from said second requester of which thread pools are to be included in said altered thread pool set.
21. (Original) The method of claim 1, wherein said first requester and said second requester are the same requester.
22. (Original) The method of claim 1, wherein said first requester and said second requester are different requesters.
23. Canceled
24. Canceled
25. Canceled
26. Canceled

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27. (Currently Amended) A system of managing thread pools of a computing environment, said system comprising:

means for receiving from a first requester of said computing environment a request to be processed, said request waiting on a response from a second requester of said computing environment, and wherein said response is to be serviced by a thread pool selected from a set of one or more eligible thread pools; and

means for upon receipt of the request waiting on the response, dynamically altering said set of one or more eligible thread pools to provide an altered thread pool set of one or more eligible thread pools, wherein a thread pool of the altered thread pool set is to service said response; and

wherein said means for dynamically altering comprises means for setting a pool mask associated with said response to indicate said one or more eligible thread pools.

28. Canceled

29. (Currently Amended) The system of claim ~~28~~ 27, wherein said pool mask is included within a data structure associated with said response.

30. (Original) The system of claim 27, wherein the dynamically altering is initiated when it is determined that said request is waiting for said response.

31. Canceled

32. Canceled

33. Canceled

34. Canceled

35. (Original) The system of claim 27, further comprising means for dynamically re-altering said altered thread pool set to service one or more other responses or one or more other requests.

36. (Original) The system of claim 35, wherein said means for dynamically re-altering is performed when there are no outstanding callbacks to be responded to by said second requester.

37. (Original) The system of claim 36, further comprising means for determining whether there are any outstanding callbacks, said determining referencing a data structure associated with said second requester.

38. Canceled

39. Canceled

40. (Original) The system of claim 27, wherein said means for receiving comprises means for receiving said request by a server of said computing environment, and wherein said first requester is a first client and said second requester is a second client.

41. (Original) The system of claim 40, wherein said server is a file server.

42. (Original) The system of claim 40, wherein at least one of said first client and said second client runs on a same physical computer of said computing environment as said server.

43. (Original) The system of claim 40, wherein at least one of said first client and said second client runs on a different physical computer of said computing environment than said server.

44. (Original) The system of claim 27, wherein the dynamically altering is performed by a server of said computing environment.

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45. (Original) The system of claim 27, wherein said thread pool of said altered thread pool set is to service said response to avoid a deadlock with said request awaiting said response.

46. (Original) The system of claim 27, wherein said means for dynamically altering receives no indication from said second requester of which thread pools are to be included in said altered thread pool set.

47. (Original) The system of claim 27, wherein said first requester and said second requester are the same requester.

48. (Original) The system of claim 27, wherein said first requester and said second requester are different requesters.

49. Canceled

50. Canceled

51. Canceled

52. Canceled

53. (Currently Amended) A system of managing thread pools of a computing environment, said system comprising:

a processor adapted to receive from a first client of said computing environment a request to be processed, said request waiting on a response from a second client of said computing environment, and wherein said response is to be serviced by a thread pool selected from a set of one or more eligible thread pools; and

said processor being adapted to, upon receipt of the request waiting on the response, dynamically alter said set of one or more eligible thread pools to provide an altered thread pool set of one or more eligible thread pools, wherein a thread pool of the altered thread pool set is to service said response; and

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said processor being adapted to set a pool mask associated with said response to indicate said one or more eligible thread pools.

54. (Original) The system of claim 53, wherein said processor comprises a server of said computing environment.

55. (Original) The system of claim 53, wherein said first client and said second client are the same client.

56. (Original) The system of claim 53, wherein said first client and said second client are different clients.

57. Canceled

58. (Currently Amended) At least one program storage device readable by a machine, tangibly embodying at least one program of instructions executable by the machine to perform a method of managing thread pools of a computing environment, said method comprising:

receiving from a first requester of said computing environment a request to be processed, said request waiting on a response from a second requester of said computing environment, and wherein said response is to be serviced by a thread pool selected from a set of one or more eligible thread pools; and

upon receipt of the request waiting on the response, dynamically altering said set of one or more eligible thread pools to provide an altered thread pool set of one or more eligible thread pools, wherein a thread pool of the altered thread pool set is to service said response; and

wherein said dynamically altering comprises setting a pool mask associated with said response to indicate said one or more eligible thread pools.

59. Canceled

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60. (Original) The at least one program storage device of claim 59, wherein said pool mask is included within a data structure associated with said response.

61. (Original) The at least one program storage device of claim 58, wherein said dynamically altering is initiated when it is determined that said request is waiting for said response.

62. Canceled

63. Canceled

64. Canceled

65. Canceled

66. (Original) The at least one program storage device of claim 58, wherein said method further comprises dynamically re-altering said altered thread pool set to service one or more other responses or one or more other requests.

67. (Original) The at least one program storage device of claim 66, wherein said dynamically re-altering is performed when there are no outstanding callbacks to be responded to by said second requester.

68. (Original) The at least one program storage device of claim 67, wherein said method further comprises determining whether there are any outstanding callbacks, said determining referencing a data structure associated with said second requester.

69. Canceled

70. (Original) The at least one program storage device of claim 69, wherein said ordering comprises having a primary thread pool selectable before any secondary thread pool.

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71. (Original) The at least one program storage device of claim 58, wherein said receiving comprises receiving said request by a server of said computing environment, and wherein said first requester is a first client and said second requester is a second client.

72. (Original) The at least one program storage device of claim 71, wherein said server is a file server.

73. (Original) The at least one program storage device of claim 71, wherein at least one of said first client and said second client runs on a same physical computer of said computing environment as said server.

74. (Original) The at least one program storage device of claim 71, wherein at least one of said first client and said second client runs on a different physical computer of said computing environment than said server.

75. (Original) The at least one program storage device of claim 58, wherein said dynamically altering is performed by a server of said computing environment.

76. (Original) The at least one program storage device of claim 58, wherein said thread pool of said altered thread pool set is to service said response to avoid a deadlock with said request awaiting said response.

77. (Original) The at least one program storage device of claim 58, wherein said dynamically altering comprises receiving no indication from said second requester of which thread pools are to be included in said altered thread pool set.

78. (Original) The at least one program storage device of claim 58, wherein said first requester and said second requester are the same requester.

79. (Original) The at least one program storage device of claim 58, wherein said first requester and said second requester are different requesters.

80. Canceled

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81. Canceled

82. Canceled

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